

International Journal of

CLOUD COMPUTING

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Scope of the Journal

ISSN: 2043-9989 (Print), ISSN: 2043-9997 (Online)

Cloud computing refers to computing with a pool of virtualised computer resources. A cloud can host different workloads, allows workloads to be deployed/scaled-out on-demand by rapid provisioning of virtual or physical machines, supports redundant, self-recovering, highly-scalable programming models and allows workloads to recover from hardware/software failures and rebalance allocations. The idea is to move desktop computing to a service-oriented platform using server clusters and huge databases at datacentres. IJCC addresses innovative developments, research issues/solutions in cloud computing and related technologies.



Topics covered include:

- Auditing, monitoring, scheduling, resource registration/discovery
- Automatic reconfiguration, self healing/monitoring
- Autonomic, high-performance, utility, P2P computing
- Cloud architecture/modelling, services
- Consistency models, fault tolerance/reliability
- Data grid, semantic web, web services, hardware/software as a service
- Innovations in IP (esp. open source) systems
- IT service/relationship management, security, risk, trustworthiness, privacy
- Load balancing, optimal deployment configuration
- Mainframe/large systems integration, programming models
- Middleware frameworks, virtualisation
- Power-aware profiling, modelling, optimisation
- Scalable fault resilience techniques
- Scalable scheduling on heterogeneous architectures
- Service level agreements, integration, management

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